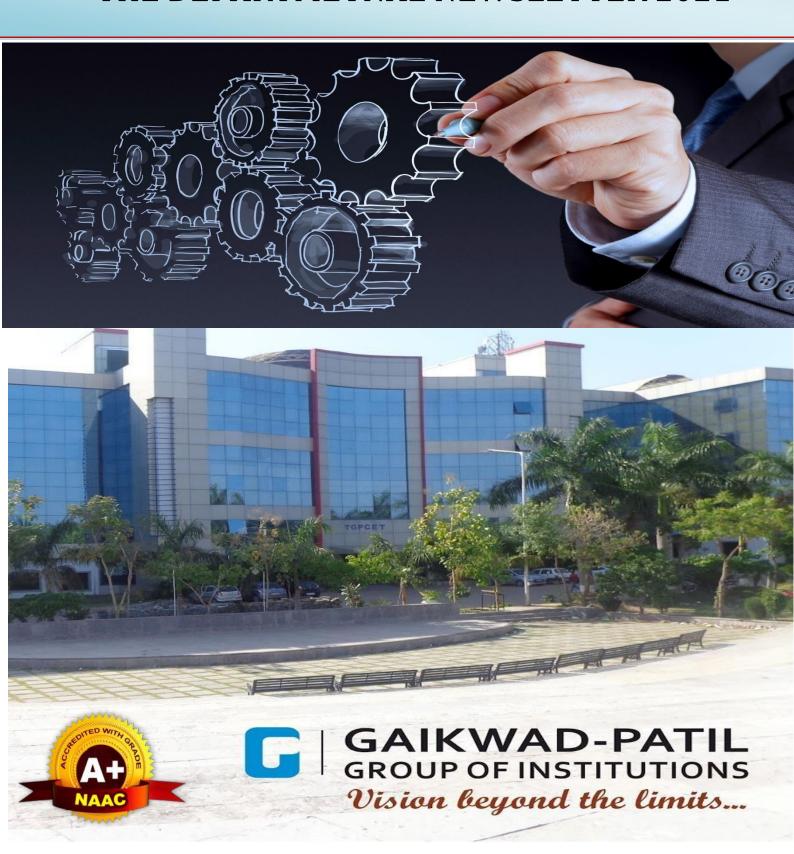
Department of Mechanical Engineering

"YANTRIK"

THE DEPARTMETNAL NEWSLETTER 2021





Dr. Prashant Kadu HOD, ME

It gives me immense pleasure to lead the department of ME. Our College is one of the premier institutions, unique like a prism reflecting the manifold shades of learning and cocurricular activities.

The very motto of our department is to provide quality education. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing one's intellectual capability, besides career. Hence on behalf of our Mechanical Engineering Department, I welcome you all to Department, TGPCET. Along with academic knowledge .Mechanical Engineering also trains its Engineers to face the challenges in life by providing many value added courses to enhance their career prospects. The excellent infrastructure, teaching faculty of the best kind ensuring quality education such as interaction among students, parents and staff, along with a Training and Placement Cell ensures a bright future to its students. Thus, we are confident that our Engineers will emerge as assets not only to this institution and to the organization they belong, but also to the country at large.

EDITORIAL



Mr. Ravindra Shende Chief Editor

It brings me immense joy & pleasure to introduce the Sixth edition of the departmental newsletter "YANTRIK". All the creative energies that came on to this platform in the form of faculty experts & students are finally presenting a replica of their enthusiastic hard work through this extravaganza that has come out so organically. Technical & Arts every section shines out differently in its true sense. All the events conducted throughout the year where perfectly planned &the overwhelming response it received said it all! This piece of art would not have been complete without the sheer determination & perseverance of all the students who pushed their limits every time to bring out this artistic reality. Their efforts coupled with immense support from the faculties truly have done justice to carry on the legacy. I am grateful for all the support "YANTRIK" has received throughout the year in every possible way from the faculties & Students. I hope the readers of the newsletter have a wonderful reading experience & wish this year's edition too receives your love &support like it has always received till date.

EDITORIAL



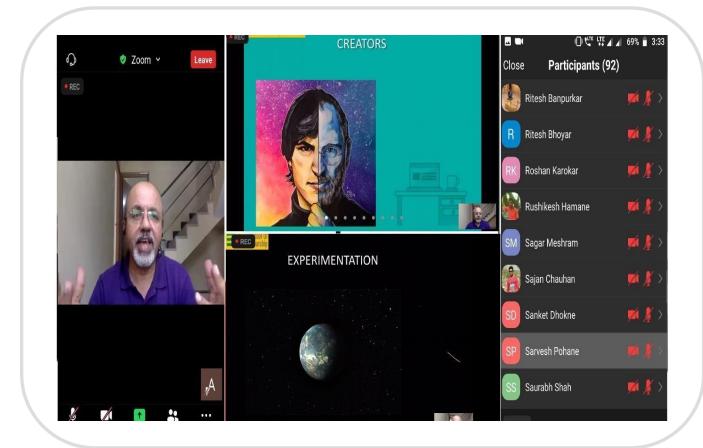
Mr. Nandadeep Dhone Student Content Editor Student, Third Year, ME

There is no denying that one day my memory of words will turn vague but every page of this newsletter will open a box of memory so vivid! Filled with hard work, dedication & limitless time put in making this one book that I will always be grateful to "YANTRIK" will make you fall in love with drawings again! It gives me immense pleasure to bring to you an extraordinary & masterly collection of the events, activities, achievements, highlights at the college presented in the 6th Annual departmental newsletter " YANTRIK" 2021". The newsletter reflects the identity of TGPCET mechanical department as well as gives the students & teachers a platform to explore their creativity & imagination. This work is a result of the various phases from planning to data collection to segregation to organization to proofreading to designing. I take this opportunity to express my gratitude to our HOD Dr. P. S Kadu& Mr. Ravindra Shende for their constant assistance & guidance. My sincerest thanks to all the captains, heads, mentors & the teamswithout whom this newsletter would have just been a dream. Last but the most important, you, the readers, YANTRIK would not have been what it is today without you. So, as you turn through the pages, I hope you like the curation of emotions, fervor, faith, ideas & aspirations expressed in words.

CO-CURRICULAR ACTIVITIES

FORUM INSTALLATION

Mechanical Engineering department of Tulsiramji Gaikwad-Patil College of Engineering & Technology had organized a forum named "ROBUST" under Mechanical Engineering Students Association. During the Installation of forum the chief guest Mr. Mukesh Adhar, Co-founder, Lemon LSE & DCE, USA Certified Trainer. He motivated the students stating the importance of Make in India. He further said that, manufacturing sector encompasses a set of industries to make or produce anything in a factory and therefore, it requires a great deal of specialized knowledge. Mechanical engineers are often referred as manufacturing engineers also as they are recruited by all kinds of companies which manufacture a variety of machines, robotics and other equipment.



4

TECHNICAL BUZZ



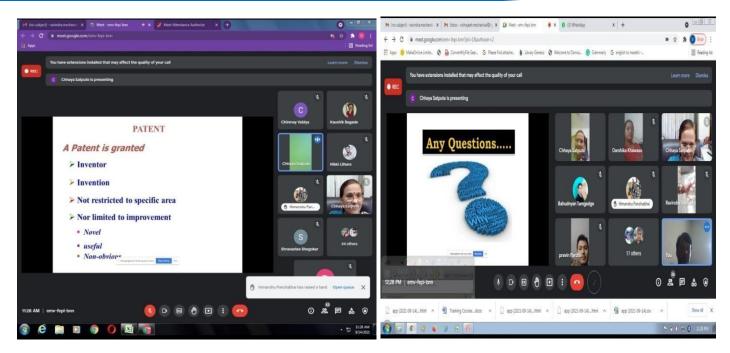
Industrial visit at Ador Fontech Ltd, Nagpur



Industrial visit at Br. Sheshrao Wankhede Shetkari Sahakari Soot Girni Ltd, Nagpur Industrial Visit 2021-22



Industrial visit at Industrial Robotic centre RTMNUNagpur



Guest Lecture: "Intellectual Property Right and Patent Information System" Mrs. Chhaya Satpute, Sr. Documentation Officer Rajiv Gandhi National Institute of IP Management

Guest Lecture 2021-22



Alumni guest lecture by Rahul Sinha





Guest Lecture: The essence of industrial robotics and automation and opportunities for graduates

Guest Lecture: ACME By Mr.Anil Choudhary

lokmat Times

Vijay Talodhikar awarded PhD in Mechanical Engg

NAGPUR, APRIL 18:

Gondwana
University,
Gadchiroli,
has awarded
doctorate to
research scholar Vijay P
Talodhikar in
Mechanical
Engineering.



He completed PhD on the topic 'Design, Analysis and Fabrication of Manually Operated Potato

Peeling Machine.

Vijay P Talodhikar did his PhD under the supervision of Head of Mechanical Engineering Department and Research Centre, Rajiv Gandhi College of Engineering and Research Technology, Chandrapur Dr Pravin Potdukhe. Prof Vijay Talodhikar has given credit of his suc-

Prof Vijay Talodhikar has given credit of his success to chairman of GPG, Dr Mohan Gaikwad-Patil, treasurer of GPGI, Prof Sandip Gaikwad-Patil, principal Geeta Padole and

others.

Nagpur First Page No. 2 Apr 19, 2022 Powered by: erelego.com

Mr.Vijay Talodhikar, Faculty of MEAwarded Ph.D Degree



Prof. Ritesh Banpurkar felicitated as Best Performance of the year

Department Achievements

Shubhangi Gondane awarded PhD

agpur University has awarded doctorate to research scholar Shubhangi M Gondane in mechanical engineering. Her



topic was 'Development of Suitable
Adhesive for Bamboo Joinery'. Shubhangi
was guided by PN Belkhode, Laxminarayan
Institute of Technology, and MP Joshi,
Priyadarshini College of Engineering. She
attributes her success to Mohan

Gaikwad-Patil, chairman, Gaikwad Patil Group, Prof Sandip Gaikwad-Patil, treasurer; Geeta Padole, director; AV Kale, principal of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Prof Pragati Patil, vice-principal of TGPCET, prof Anup Gade, dean, academics and Prof Ritesh Banpurkar.

Mrs.Shubhangi Gondane, Faculty of ME Awarded Ph.D Degree



Prof. Ravindra Shende felicitated as Best Feedback performer of the year

STUDENTS ACTIVITIES





Creation of Ganeshji Idol from Best of Waste ActivityBased Learning

Sr. No.	Name of Faculty	Title of Work	Dairy Number	Date of Registration	Status
1	Mr. Ritesh Banpurkar	Design and Fabrication of Solar operated Multipurpose agriculture machine	14642/2021- CO/L	02-07-2021	Awarded
2	Mr. Ravindra Shende	Design and Fabrication of Agriculture sprayer vehicle	14651/2021- CO/L	02-07-2021	Awarded
3	Ms. Shubhangi Gondane	Design and Fabrication of Multipurpose screening machine for small scale industries .	14695/2021- CO/L	03-07-2021	Awarded

NSS ACTIVITIES

गणेश मूर्तीची प्राणप्रतिष्ठ

बुटीबोरी व येवील तुळशीराम गायकताड इंजिनिअरिंग महाविद्यालयातील आर.एस.एस. व मेकॅनिकलच्या विद्यार्थ्यांनी मेकॅनिकलमधील टाकाऊ निकामी पार्ट्स उसे लोखंडी धमेले, शॉकअप, नट बोल्ट धासारख्या वस्तूंपासून ५ ते ६ फूट उंचीची गणेश मूर्ती साकारून रंगांनी आकर्षकरित्या सजविले. या मूर्तीची प्राणप्रतिष्ठा नागपुर ग्रामीण पोलिस अधीक्षक राकेश ओला यांच्या हस्ते नुकतीब करण्यात आली.

कार्यक्रमाच्या अध्यक्षस्थानी मोहन गायकवार पाटील तर प्रमुख अतिथी म्हणून संदीप गायकवाड, संचालक डॉ. प्रशांत कडू, प्रा. गीला पडोळे, उपप्राचार्य प्रा. प्रगती पाटील आदींसह इतर प्राध्यापकरण तसेच कर्मचारी आणि विद्यार्थी मोठ्या संख्येने उपस्थित होते. कार्यक्रमाच्या यशस्वीतेसाठी रितेश, अरविंद, डोंगरे, प्रा. प्रफूल रणदिवे आदींनी सहकार्य केले. (वार्लाहर)



'बेस्ट आफ वेस्ट एक्टिविट बेस्ड लर्निंग ' इंजीनियरिंग के विद्यार्थियों ने बनाई श्रीगणेश मृति

नागपुर ग्रामीण एसपी राकेश ओला ने किया मूर्ति का अनावरण

नागपुर। "सीखनें कि ना ते कोई उम्र होती हैं और ना ही कोई भी सामग्री व्यर्थ की समझी जाना चाहिए। जीवन में एक विद्यार्थी बनकर जो सीखता हैं वह जीवन पर्यन्त उसकी एक जीवन शैली का महत्वपूर्ण सामाजिक अंग बन जाता हैं। शिक्षा,कला और संस्कृति को आत्मसात करने का संस्कृति को आत्मसात करन का हर एक नागरिक का जन्मसिध्द अधिकार हैं। यह एक पीढ़ी से दूसरी पीढ़ी में सदैव हस्तांतरित होते रहना चाहिए।" उक्त प्रेरणामयी उदगार नागपुर

ग्रामीण के पुलिस अधीक्षक मा. राकेश ओला (IPS) ने आज तुलसीरामजी गायकवाड़ पाटील कालेज आफ इंजीनियरिंग एंड टेक्नालाजी मोहगाँव नागपुर में प्रथम पूज्य गणनायक श्रीगणेश मूर्ति के अनावरण के अवसर पर मूत क अनावरण क अवसर पर कहें। उन्होंने कहा कि -" महाविद्यालय के एनएसएस और मैकेनिकल विभाग के संयुक्त तत्वाबधान में अनुपयोगी हो चुके वेसिट मटेरियल से इतनी सुंदर, आर्कषक और कलात्मक



शिक्षा का घनिष्ट संबंध हैं। इससे

संस्कृति का स्वमेव जन्म होने

लगता हैं। इसलिए अपने अंदर की सुषुप्त कलाओं को अवसर के

रजिस्टार डां. सवाई. डीन. सभी विभाग प्रमुख, प्राध्यापकगण, तथा सहयोगी कर्मचारीगण बड़ी . संख्या में उपस्थित थे। कलात्मक मृतिं का निर्माण करने वाले सभी कलाकारों को एसपी मा. श्री ओला ने प्रमाण पत्र देकर सम्मानित भी किया। कार्यक्रम के समन्वयक प्रोफे. अरविन्द तोटेय तथा सहयोगी प्राध्यापक प्रोफे. प्रफुछ रणदीवे तथा संचालन प्रोफे. नेहा

अनुरूप जाग्रत कर हर किसी ने उसे एक पहचान देना ही चाहिए। उस एक पहचान देना हा चाहिए।
"इस उत्प्रेरक कार्यक्रम में
कोषाध्यक्ष प्रोफे, संदीप गायकवाड़, प्राचार्य डां. गीता पडोले,प्राचार्य डां. प्रशांत कडू उपप्राचार्य प्रोफे. प्रगति पाटील, तुलसारामजा गायकवाड़ पाटाल ग्रुप आफ इंस्टिट्यूशन के चेयरमेन डां. मोहन गायकवाड़ पाटील ने कहा कि - " कला और

Best Of Waste Activity best learning -Faculty and students of ME made Murti of Ganeshji from mechanical waste components



Yuva swasth – Special vaccination drive

Lokmat Times

Stress management is key to happiness: B K Smita

LOKMAT NEWS NETWORK NAGPUR, FEB 15

Gaikwad-Patil Group of Institutions (GPGI) recent-ly organised a motivation-al lecture on 'stress man-agement' for all the staff members of GPGI. The eminent speaker for the event was B K Smita behan from Prajapita Bramha kumari.

The speaker focussed on several models of stress

management, each with distinctive explanations of mechanisms for control-The lecture was followed

by some stress relieving activity and meditation

practices.

This activity was organised under the guidance of vice-principal of the col-



lege Prof Pragati Patil

The programme was organised to enhance the performance level of all the staff members, to stay innovative, motivated.

Stress produces numerous physical and mental symptoms which vary according to each individual's situational factors. These can include a decline in physical health as well as

B K Smita on this occasion said stress produces numerous physical and mental symptoms which mental symptoms which vary according to each individual's situational factors. These can include a decline in physical health as well as depression. The process of stress management is named as

GPGI ORGANISES TALK ON STRESS MANAGEMENT

one of the keys to a happy and successful life in mod-ern society, she further said. The activity was con-ducted by head of IT, Prof Sarvesh, Praful Randive and Prof Arvind Totey, Dean of CSR Dr Sanjay director of Barai, director of Tulsiramji Gaikwad-Patil Institute of Health care and Management, Prof Anup Gade, dean and Managaman Anup Gade, dean (Academics) Prof Ameya Khedikar, head Department of Civil Engineering and al staff members were present on members were this occasion.

Nagpur First Page No. 2 Feb 16, 2022

Stress management Lecture- By B.K.Smita



संक्षिप्त

गायकवाड अभियांत्रिकीत शिवजयंती

नागपुर: तुळशीरामजी गायकवाड पाटील अभियांत्रिकी व तंत्रज्ञान महाविद्यालयात शिवजयंतीनिमित्त 'छत्रपती शिवाजी महाराजांचे व्यवस्थापन तंत्र' या विषयावर डॉ. अमोल पुसदकर यांचे व्याख्यान आयोजित करण्यात आले होते. यांत्रिकी विभागातर्फे हा कार्यक्रम आयोजित करण्यात आला होता. संचालन विभाग प्रमुख प्रा. रितेश बनपूरकर यांनी केले. कार्यक्रमाला उपमुख्याध्यापिका प्रा. प्रगती पाटील, प्रा. अनुप गाडे, प्रा. अमेय खेडीकर, डॉ. प्रशांत ठाकरे, डॉ. नंदिकशोर सवाई उपस्थित होते.

Lecture on Management technique of Chhatrapti Shivaji Maharaj By Mr. Amol Pusadkar

औद्योगिक रोबोटिक्स और स्वचालन पर व्याख्यान संपन्न



तुलसीरामजी गायकवाड़-पाटिल कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी का आयोजन

नागपुर. तुलसीरामजी गायकवाड़-पाटिल कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी की ओर से यांत्रिक अभियांत्रिकी विभाग में औद्योगिक रोबोटिक्स और स्वचालन और स्नातकों के लिए अवसर के विषय पर व्याख्यान का आयोजन किया गया. मैकेनिकल इंजीनियरिंग विभाग के अनिल टाटोडे ने छात्रों को औद्योगिक स्वचालन और औद्योगिक रोबोटिक्स के बारे में समग्र विचार के लिए निर्देशित अपने व्याख्यान पर जोर दिया और लाभ और अनुप्रयोगों के साथ औद्योगिक स्वचालन और औद्योगिक रोबोटिक्स के विभिन्न पहलुओं के बारे में विस्तार से बताया.फीडबैक फॉर्म के आधार पर यह देखा गया है कि छात्रों ने औद्योगिक स्वचालन और औद्योगिक रोबोटिक्स की अवधारणा को समझा साथ ही छात्रों को औद्योगिक स्वचालन और औद्योगिक रोबोटिक्स के दृष्टिकोण के बारे में पता चला और यह भी प्रेरित हआ कि औद्योगिक रोबोटिक्स उद्योगों में भविष्य की आवश्यकता के लिए सबसे अच्छा समाधान है.कार्यक्रम प्रो. रितेश बानपरकर,यांत्रिक अभियांत्रिकी विभाग के प्रमुख के मार्गदर्शन में किया गया.कार्यक्रम का संचालन प्रो. प्रफुल्ल रणदीवे एवं डॉ. योगेश माहलकर द्वारा किया गया.

lokmat Times

Tulsiramji Gaikwad Patil College holds industrial visit for students



Students of Department of Mechanical Engineering of Tulsiramji Gaikwad-Patil College of Engineering and Technology during the industrial visit.

Department

Department

Mechanical and Technology during the Brigineering

Tulsiramji Gaikwadpatil College of Engineering

Technology (TGPCET) organised an industrial visit for its students to Br Sheshrao Wankhede Shetkari Sahakari Soot Girni Ltd., Nagpur.

The visit started with the manager and labor officer giving an introduction and details of different sections of the soot girni.

They shared useful information about the names of machines and their functions. Students got hands-on experience about different sections. The students got hands-on experience about different sections. The students got bands-on experience about different sections. The students got bands-on experience and the summer of the students got hands-on experience and the summer of the summe

dents of the first and sec-ond year got motivated by the visit.

Dr Mohan Gaikwad-Patil, chairman of GPG, professor Sandeep Gaikwad, treasurer, GPGI, Dr Geeta Padole,

GPGI, Dr Geeta Padole, principal, and professor Pragati Patil appreciated the faculty members for organising the industrial visit.

The visit was organised under the guidance of the head of the mechanical engineering department and coordinated by Dr Vijay Talodhikar, Dr Yogesh Mahulkar, and professor Pramar Bakane of the mechanical engineering department.

Nagpur First Page No. 3 May 26, 2022 Powered by: erelego.com

Department in Media

Lokmat Times

Department of mech engineering of TGPCET holds expert lecture



Dignitaries during the guest lecture held at Tulsiramii Gaikwad-Patil College of Engineering and Technology (TGPCET).

The department of mechanical engineering of Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET). Trecently conducted an expert lecture.

The expert lecture started with welcoming the expert lecture. The expert lecture started with welcoming the Gudhari, technology (TGPCET) recently conducted an expert lecture. The expert lecture foundari, technology (TGPCET) recently conducted an expert lecture. The expert lecture foundari, technology (TGPCET) recently conducted and lecture on mechanical calibration, thermal calibration and electro-technical calibration. He shared useful information about the topic for maintaining accuracy and reliable operation of Choudhari also talked about finding scope,

servicing and repair in the field of calibration for all types of lab instruments.

Dr Mohan Gaikwad-Patil, chairman Gaikwad-Patil, chairman Gaikwad-Patil Group (GPG), Prof Sandeep Gaikwad, treasurer, (GPG), Dr Geeta Padole, principal Patil, vice professional control of the faculty members for taking initiative for conducting the expert lecture.

The expert lecture was organized under the guidance of the head of the mechanical engineering department and coordinated by the special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special control of the mechanical engineering department and coordinated by special engineering department and

Nagpur First Page No. 3 Apr 29, 2022 Powered by: erelego.com

Lokmat Times

Lecture on strategic innovation held at Gaikwad-Patil College



A college faculty member giving away a memento to a guest at Tulsiramji Galkwad-Patii College of Engineering and Technology.

a guest at Tulsiramji Gaikw Engineering and Technolog The department of mechanical engineering of Tulsiramji Gaikwadpatil Gaikwadpatil

market strategy with examples of the growing demand for innovation and products in India. The Modern of the growing demand for innovation and products in India. The Modern of the Moder

Nagpur First Page No. 3 May 23, 2022 Powered by: erelego.com



ACTIVITIES UNDER TRAINING AND PLACEMENT

HR-CONCLAVE-2022

Innovative project-Design and Fabrication of Agriculture Pesticides Drone-Prof. Ravindra Shende(Lokesh Bhagat, Kamlesh Rahangdale, Harsh Pandey, Pratik Katre, Rushikesh Vasake, Nikhil Pardhi)



Campus Recruitment Training (CRT) Classes



CAMPUS INTERVIEW- GREEN ENRGY



CAMPUS INTERVIEW- DHOOT TRANSMISSION



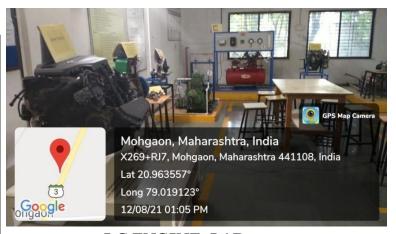
DEPARTMENT LABS

DOM LAB





RAC LAB



AUTOMOBILE LAB



I.C ENGINE LAB



AIP LAB



HT LAB MTRX LAB

Department of ME 12

Guina da Maria de Cara de Cara

EM-LA

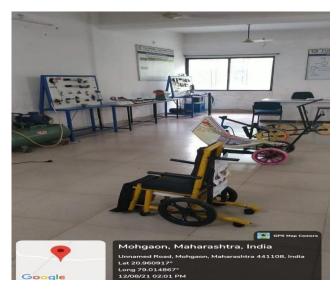


CAD LAB



HM LAB

DEPARTMENT LABS



EC-III LAB



MMM LAB

GAIKWAD-PATIL GROUP OF INSTITUTIONS





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